

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032024\
 Data File : VD078715.D
 Acq On : 20 Mar 2024 11:59
 Operator : RP/MD
 Sample : VD0320SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/21/2024
 Supervised By :Semsettin Yesilyurt 03/21/2024

Quant Time: Mar 21 04:46:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	118288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	200046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	186964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	91941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	56746	51.189	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.380%			
35) Dibromofluoromethane	7.804	113	64290	49.915	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.820%			
50) Toluene-d8	10.269	98	253368	53.489	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.575	95	72659	52.432	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	22041	20.021	ug/l	93
3) Chloromethane	2.152	50	31799	18.293	ug/l	99
4) Vinyl Chloride	2.287	62	48260	18.820	ug/l	99
5) Bromomethane	2.693	94	46864	19.088	ug/l	100
6) Chloroethane	2.840	64	37971	18.988	ug/l	99
7) Trichlorofluoromethane	3.181	101	42892	21.143	ug/l	98
8) Diethyl Ether	3.593	74	10171	17.172	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.969	101	27032	21.232	ug/l	98
10) Methyl Iodide	4.163	142	28871	19.171	ug/l	96
11) Tert butyl alcohol	5.063	59	5376	108.364	ug/l #	75
12) 1,1-Dichloroethene	3.946	96	24223	20.014	ug/l	89
13) Acrolein	3.799	56	7745	99.660	ug/l	97
14) Allyl chloride	4.563	41	25117	18.599	ug/l	96
15) Acrylonitrile	5.246	53	23388	97.952	ug/l	91
16) Acetone	4.016	43	23209	108.269	ug/l	88
17) Carbon Disulfide	4.275	76	71804	18.097	ug/l	99
18) Methyl Acetate	4.552	43	8609m	18.713	ug/l	
19) Methyl tert-butyl Ether	5.322	73	46611	19.097	ug/l	94
20) Methylene Chloride	4.810	84	31067	18.155	ug/l	97
21) trans-1,2-Dichloroethene	5.322	96	27949	19.571	ug/l	91
22) Diisopropyl ether	6.222	45	61992	20.190	ug/l	96
23) Vinyl Acetate	6.157	43	174648	97.244	ug/l	99
24) 1,1-Dichloroethane	6.122	63	46852	20.353	ug/l	99
25) 2-Butanone	7.087	43	27187	95.393	ug/l	99
26) 2,2-Dichloropropane	7.087	77	38956	20.002	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	31057	19.067	ug/l	99
28) Bromochloromethane	7.428	49	16920	20.617	ug/l	90
29) Tetrahydrofuran	7.446	42	15594	100.598	ug/l	98
30) Chloroform	7.599	83	51260	19.972	ug/l	96
31) Cyclohexane	7.881	56	36385	19.528	ug/l #	86
32) 1,1,1-Trichloroethane	7.793	97	42956	19.726	ug/l	97
36) 1,1-Dichloropropene	8.010	75	36353	19.453	ug/l	99
37) Ethyl Acetate	7.175	43	12097	19.815	ug/l	99
38) Carbon Tetrachloride	7.993	117	39138	19.866	ug/l #	90
39) Methylcyclohexane	9.275	83	42210	19.471	ug/l	100
40) Benzene	8.251	78	109721	19.423	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	6865	21.458	ug/l #	88
42) 1,2-Dichloroethane	8.322	62	29136	21.149	ug/l	97
43) Isopropyl Acetate	8.363	43	21033	18.944	ug/l	97
44) Trichloroethene	9.028	130	30787	20.082	ug/l	95
45) 1,2-Dichloropropane	9.304	63	26795	19.995	ug/l	97
46) Dibromomethane	9.393	93	16222	20.194	ug/l	93
47) Bromodichloromethane	9.587	83	38030	19.886	ug/l #	94
48) Methyl methacrylate	9.381	41	11094	20.507	ug/l	89
49) 1,4-Dioxane	9.387	88	2682	360.590	ug/l #	95
51) 4-Methyl-2-Pentanone	10.163	43	55559	95.718	ug/l	97
52) Toluene	10.334	92	71903	19.770	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	33277	19.032	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	39834	18.951	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	21157	19.667	ug/l	92
56) Ethyl methacrylate	10.598	69	19977	18.525	ug/l	98
57) 1,3-Dichloropropane	10.881	76	34879	20.094	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	40516	85.205	ug/l	99
59) 2-Hexanone	10.922	43	43557	101.228	ug/l	96
60) Dibromochloromethane	11.075	129	25402	19.148	ug/l	95
61) 1,2-Dibromoethane	11.181	107	18848	18.105	ug/l	96
64) Tetrachloroethene	10.810	164	24121	19.496	ug/l	86
65) Chlorobenzene	11.604	112	77163	19.750	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	27543	19.250	ug/l	96
67) Ethyl Benzene	11.681	91	128173	19.252	ug/l	100
68) m/p-Xylenes	11.792	106	104663	38.714	ug/l	100
69) o-Xylene	12.122	106	46516	18.596	ug/l	96
70) Styrene	12.134	104	81863	19.499	ug/l	99
71) Bromoform	12.298	173	15056	19.471	ug/l #	94
73) Isopropylbenzene	12.422	105	124314	20.536	ug/l	97
74) N-amyl acetate	12.234	43	20761	21.124	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	22575	20.145	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	12924m	18.245	ug/l	
77) Bromobenzene	12.704	156	31270	20.830	ug/l	97
78) n-propylbenzene	12.763	91	156505	21.240	ug/l	100
79) 2-Chlorotoluene	12.851	91	83627	20.688	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	103001	20.576	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	6522	19.300	ug/l #	87
82) 4-Chlorotoluene	12.951	91	87401	20.442	ug/l	99
83) tert-Butylbenzene	13.169	119	88565	20.519	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	101666	20.153	ug/l	98
85) sec-Butylbenzene	13.345	105	138062	21.136	ug/l	97
86) p-Isopropyltoluene	13.463	119	117509	21.014	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	65149	20.565	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	63869	20.457	ug/l	99
89) n-Butylbenzene	13.786	91	105813	20.953	ug/l	98
90) Hexachloroethane	14.051	117	24312	21.012	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	55611	20.382	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3072	20.493	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	29522	18.540	ug/l	99
94) Hexachlorobutadiene	15.204	225	17689	20.519	ug/l	99
95) Naphthalene	15.333	128	51379	18.558	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.528	180	26292	19.086	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

